

19970902.ba v01\_n649.bam.970902 v01\_n650.bam.970902

>From ???@??? Tue Sep 02 09:33:24 1997  
Message-Id: <199709020502.AAA26226@sco.theporch.com>  
Date: Tue, 2 Sep 1997 00:02:32 CDT  
Subject: BOATANCHORS digest 1649

BOATANCHORS Digest 1649

Topics covered in this issue include:

- 1) R390A low sens.  
by laffitte@prtc.net (laffitte)
- 2) Re: Who wanted old QSLs? -- Matched pair 72 years later!  
by "John H. Dilks III" <oldradio@worldnet.att.net>
- 3) Re: 807 longest tube run ?  
by William Donzelli <william@ans.net>
- 4) Free-Monitor Scope  
by Mark Hovda <hovda@fyiowa.infi.net>
- 5) National HRO-60, et al  
by "Lawrence R. Ware" <lrware@pipeline.com>
- 6) Re: Free-Monitor Scope  
by William Donzelli <william@ans.net>
- 7) Re: Affect of Painting Antennas?  
by Ken Gordon <keng@uidaho.edu>
- 8) Tubes...  
by Ken Gordon <keng@uidaho.edu>
- 9) ME-6D/U meter / Knightkit audio generator  
by laffitte@prtc.net (laffitte)
- 10) Re: R390A low sens.  
by Morris Odell <morriso@vifp.monash.edu.au>
- 11) Fw: Ham Gear that Stands the Test of Time  
by "Jim Zellmer" <zellmer@raccoon.com>
- 12) Re: Mike Quinn Electronics lives (but has moved)!  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 13) "The Technician" a periodical.  
by Eugene Rippen <soundval@foothill.net>
- 14) Diversity Adaptor  
by gpewitt@execpc.com
- 15) SB-301 minor problem...  
by Ken Gordon <keng@uidaho.edu>
- 16) Paint aluminum tower with Zinc Chromate  
by "Larry" <rau@wco.com>
- 17) Ham Gear FS  
by "C. Demeroukas" <demas@fgi.net>
- 18) Eimac 450-TL Specs  
by Dennis Gehrke <leeid@ix.netcom.com>
- 19) 200V--Help

- by Bob Login <jlogin@gville.mindspring.com>
- 20) Gen Radio 1001-A manual ??  
by Bill Coleman N2BC <n2bc@ibm.net>
- 21) shelby 1000 lb awards  
by "Lawrence R. Ware" <lrware@pipeline.com>
- 22) Re: Affect of Painting Antennas?  
by "Roberta J. Barmore" <rbarmore@indy.net>
- 23) Re: SB-301 minor problem...  
by Mike Sanders <k0az@i1.net>
- 24) Re: painting antennas  
by Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
- 25) Help ID National receiver  
by Paul E Settle <pauls@inreach.com>
- 26) Re: SB-301 minor problem...  
by bgraham@tecnet1.jcte.jcs.mil
- 27) Re: Eimac 450-TL Specs  
by Scott Townley <nx7u@primenet.com>
- 28) BC-348 questions  
by Jack Antonio <dia@dia.reno.nv.us>
- 29) Re: Help ID National receiver  
by polepeeg@aa4rm.radio.org (Marty Reynolds' BA ID)

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Date: Mon, 01 Sep 1997 16:59:28 -0300  
From: laffitte@prtc.net (laffitte)  
To: boatanchors@theporch.com  
Subject: R390A low sens.  
Message-ID: <340B1EA0.649E@prtc.net>

Hi Gang!

An R390A was brought to my shack with chronic low sensitivity. A careful resistance check in the IF, Crystal oscillator and RF subchassis revealed a change in resistance on pin 6 of V502. The resistance read 80K ohms when it should have been 31K ohms. After removing the IF subchassis, resistor 515 was found at 262K ohms (normal value 27K ohms). This resistor is part of the screen voltage divider network of V502. I also checked R520 which is part of the same circuit but in V503 and found also a large increase in resistance. Both resistors were replaced and the change in performance was dramatic. I suspect these two may be the culprits in many low sens problems in these receivers so keep them in mind. Now all that remains is the sens in the 7,15 and 24 MC bands. The problem is probably the 9000kc crystal. One question, this receiver has an extra position after the CAL in the function switch. It is unmarked. Could it be a squelch position?

Best of 73s to all

Guido E. Santacana KP4FAR  
BA collector in the tropics

-----  
Date: Mon, 1 Sep 1997 21:06:31 +0000  
From: "John H. Dilks III" <oldradio@worldnet.att.net>  
To: k0az@i1.net  
Cc: boatanchors@theporch.com  
Subject: Re: Who wanted old QSLs? -- Matched pair 72 years later!  
Message-ID: <19970901210628.AAA367@LOCALNAME>

Mike and all at Boatanchors,

I'm always looking for old QSL's, especially from my area (southern New Jersey). Though, I'm not the one who posted earlier. I'm gathering information for an article on early ham radio in southern New Jersey.

On a recent trip to the Museum of Wireless and Steam in Conn. I found a card dated November 20, 1925 sent to "1ACI" in Mass, from "4KW" in Atlanta, GA. "4KW" is now W2LS and also -- he was my mentor in 1955. I took it to him (as a gift). He in turn gave it back to me, with the matching QSL he received from "1ACI". How about that! Seventy-Two years later, together again! I'm going to scan both in and put them on my web page. Interestingly, both appear to have been printed by the same printer.

Thanks for any consideration, 73' John Dilks, K2TQN

-----  
At 07:28 PM 9/1/97 +0000, you wrote:

>Greetings All,

> There was someone looking for old qsl cards a while back. Anyone  
>know who this was? I have looked through last several years of ER  
>and QST but no luck.

> 73, Mike K0AZ

>

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| http://www.eht.com/oldradio |  
| There's always something new about old radio on our Web Page. |  
| Updated August 19, 1997 - Please visit. |  
'-----'

-----  
Date: Mon, 1 Sep 1997 17:23:55 -0400 (EDT)  
From: William Donzelli <william@ans.net>  
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: 807 longest tube run ?

Message-ID: <199709012124.AA02254@interlock.ans.net>

> I believe the 807 enjoyed the longest production run of any single tube ,  
> it began life in the late 19 30's and was still being produced in the  
> 1960's for a run of at least 30 years..maybe longer

I would think some of the Western Electric repeater bulbs (101s, in many flavors) would beat the 807 by many years, perhaps to 50 or so (when WE finally shut down their production lines). There are probably still some in service somewhere.

William Donzelli  
william@ans.net

-----  
Date: Mon, 01 Sep 1997 22:11:30 -0700  
From: Mark Hovda <hovda@fyiowa.infi.net>  
To: boatanchors@theporch.com  
Subject: Free-Monitor Scope  
Message-ID: <340BA002.5CA3@fyiowa.infi.net>

Boatpeople,

I have an unused 2 inch monitor scope that was made for the Navy. Looks similar, from memory, to the small Millen scope of the 50's. Would be great for the Oval Eye monitor scope as described by Bobbi a few days ago. It has no power supply. Uses a 2BP1 CRT.

FREE, you pay UPS from 52402.

Rules of Ware apply.

73,

Mark  
NOJWI

-----  
Date: Mon, 01 Sep 1997 16:11:19 +0000  
From: "Lawrence R. Ware" <lrware@pipeline.com>  
To: boatanchors@sco.theporch.com, baswaplist@foothill.net,  
boatanchors@LISTSERV.TEMPE.GOV  
Subject: National HRO-60, et al

Message-ID: <3.0.32.19970901160517.006a9dec@pop.pipeline.com>

I returned from the Shelby hamfest with an almost mint HRO-60R.  
(Actully, I overloaded a P/U with stuff, but we will get to the rest in another message or three... :-)  
The HRO spent its life as a station monitor for a BCB radio station.  
Has X-tal cal module and heavy duty transformer, and is as clean a BA as I've ever seen.

Today I join the many in the endless(?) search for coil sets.  
Looking for all of these:

A, F, G, H, J, AD

Have an AC I will trade for the H set.

Would be happy to trade nice working & recently cal'd HP 200CD's or HP 400D's for coil sets. (I brought three of each back with me. They will be cleaned up, checked out and calibrated very shortly. :-)  
I also hauled home three Tek 7000's and plug-ins, but that is a story for VSS.

Or I could just send money in small unmarked bills... :-)  
-Larry

# Larry's Home for Wayward Test Equipment & Old Radios (tm)  
# Let your equipment retire in sunny central Florida.  
# Intensive Care, Private Bench Space, Frequent Use,  
# Factory trained HP, Tek & Fluke Surgeon on staff.  
# Good Home Guaranteed or double your junk back!  
# lrware@pipeline.com - Orlando, FL -

-----  
Date: Mon, 1 Sep 1997 17:28:38 -0400 (EDT)  
From: William Donzelli <william@ans.net>  
To: Mark Hovda <hovda@fyiowa.infi.net>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Free-Monitor Scope  
Message-ID: <199709012128.AA03233@interlock.ans.net>

Does the scope have any data plates (specific numbers)? I might be interested.

William Donzelli

william@ans.net

-----  
Date: Mon, 1 Sep 1997 14:47:38 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>  
To: Jack Harper <jharper@bs2000.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Affect of Painting Antennas?  
Message-ID: <Pine.BSF.3.95.970901144701.2496B-100000@piobaire.mines.uidaho.edu>

For HF and under our usual conditions, there will be no discernable effect.

Carry on.

Ken

-----  
Date: Mon, 1 Sep 1997 14:51:25 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>  
To: boatanchors@sco.theporch.com  
Subject: Tubes...  
Message-ID: <Pine.BSF.3.95.970901144958.2496C-100000@piobaire.mines.uidaho.edu>

anyone have some new 6BA6s they don't need?

I need two.

Ken W7EKB

-----  
Date: Mon, 01 Sep 1997 19:33:40 -0300  
From: laffitte@prtc.net (laffitte)  
To: boatanchors@theporch.com  
Subject: ME-6D/U meter / Knightkit audio generator  
Message-ID: <340B42C3.1367@prtc.net>

I was given a Navy ME-6D/U meter recently and will like to know more about it. It reads RMS volts and Decibels and runs on 115VAC. There are 6 tubes inside including an amperite ballast tube. It also seems to be working. Needs a good cleaning outside but inside it is pristine. Any knowledge about this one?

I have a Knightkit audio generator that works but needs TLC outside.  
Will give it away to a good home for free (only shipping).

TNX and 73s  
Guido E. Santacana KP4FAR  
BA collector in the tropics

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Date: Tue, 02 Sep 1997 10:41:09 +1200  
From: Morris Odell <morriso@vifp.monash.edu.au>  
To: laffitte@prtc.net  
Cc: boatanchors@sco.theporch.com  
Subject: Re: R390A low sens.  
Message-ID: <340B4485.51D2@vifp.monash.edu.au>

Guido asked:

>  
> One question, this receiver  
> has an extra position after the CAL in the function switch. It is  
> unmarked. Could it be a squelch position?  
>

This extra position is almost certainly the squelch. Whether or not it does anything depends on whether the rest of the squelch circuitry is fitted to the audio subchassis. You can identify it by an extra tube (6C4) and an extra relay on the back of the subchassis where there is a blanking plate shown in the manual photo.

The squelch only works when the BFO is off (ie for AM). It uses the diode load voltage to control the relay via the 6C4. There is no adjustment for sensitivity. The relay cuts off audio by shorting the feed to the grids of the audio amplifiers (I haven't got the cct in front of me so I'm not sure exactly where it does this.) When the BFO is on there is always enough diode load voltage from the "detected" BFO signal to trigger the squelch. The squelch has no association with the AGC system.

You can check the squelch by tuning in a moderately strong AM station with the BFO off and the function switch in the squelch position. Turn down the RF gain gradually and you will reach a point where the receiver output cuts out.

Good luck

73 de Morris VK3DOC

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Morris Odell                      Victorian Institute of Forensic Medicine  
Forensic Physician                  57-83 Kavanagh St, Southbank 3006  
<mailto:morriso@vifp.monash.edu.au>                  Victoria, Australia  
<http://www.vifp.monash.edu.au/CFM/staff/mo.html>

Date: Mon, 1 Sep 1997 19:28:36 -0500  
From: "Jim Zellmer" <zellmer@raccoon.com>  
To: "boatanchors digest" <boatanchors@sco.theporch.com>  
Subject: Fw: Ham Gear that Stands the Test of Time  
Message-ID: <199709020007.TAA04959@slip1.raccoon.com>

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> > I'm sure there are many other items I haven't thought of. Anybody care>
to
> > > add to the list?
> > >
> > > 73,
> > >
> > > Jim Garland W8ZR
> >
>
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How about the Autek Research QF-1A SSB/CW/AM Filter.

I recall seeing this item in a late 60's ham mag.

73 ES GOD BLESS U ES URS

JIM ZELLMER, KA0VSL

Date: 01 Sep 1997 18:27:43 -0500  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
To: boatanchors@sco.theporch.com  
Subject: Re: Mike Quinn Electronics lives (but has moved)!  
Message-ID: <1997Sep01.182744-0500@spike.vuse.vanderbilt.edu>

In <199709012004.QAA04766@mira.cs.unc.edu>, John Poulton wrote:  
>

```
>BUT, do go to Mike Q's old location and visit the Western Air Museum.  
>You can see their Short Solent flying boat from the street (Doolittle),  
>a huge 34-passenger monster with four giant radial engines.  They have  
>a great tour of this amazing plane (used, among other things, as a  
>prop in Indiana Jones and the Raiders of the Lost Ark).
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So that's where it ended up. Starting to make sense.

Back in the bad old days of my misspent youth I worked at UC Berkeley (1974-1980, so it was after the Days of Troubles). (Now, of course, I am a Model of The Establishment....) I well remember going out to the Richmond Field Station (old Ford plant) for various reasons (e.g., to see the earthquake machines). Sometime during this interval I chanced upon a pair of Short Solents hiding next to a pier (it's a big place). One would guess that one of these survives in Oakland.

Legend has it that they were used by BOAC on the London-Joburg run, since most African nations didn't cotton to having planes headed for South Africa in their air space. They were retired in about 1956 (one wonders, replaced by Comets?...) and ultimately were acquired by AirWest when it was run by ol' man Hughes. They sat for many years somewhere in the Bay area and were acquired by a private chappie when Hughes' estate was dissolved. When I last went to the Field Station (1982?) they were gone. I'm relieved to hear that at least one survives.

73 A. B. Bonds

-----  
Date: Mon, 01 Sep 1997 17:20:29 -0700  
From: Eugene Rippen <soundval@foothill.net>  
To: boatanchors@theporch.com  
Subject: "The Technician" a periodical.  
Message-ID: <340B5BCD.5B93@foothill.net>

There was a periodical named iThe TECHNICIANî.

It was published by The Certified Radio Techniciansí Association in Los Angeles, California.

I presume Volume 1, Number 1 was dated September 1933. The last issue I have is Volume 3,

Number 2, dated November 1935.

The circulation was obviously the Los Angeles area.

The Editor for all I have was Norman B. Neely. Officers of the Association were named as

A. Paul, Jr., John A. Orme, Fred Knowlden, Ben J. Braun, John L. Vincent, and V. Karl Hatfield (varying through the years.)

It varied in size from 16 to 54 pages.

It was aimed at broadcast radio repair. It started off with local parts distributor ads, but

did get some national advertisers.

SO! When was the last issue? Did it evolve into another publication?  
I have issues beginning with Vol. 1, No. 2.  
Does someone want to sell:  
Vol. 1, No. 1;  
Vol. 1, No. 5 (Jan. 1934)  
Issues, if any, after Vol. 3, Number 2 (November) 1935  
THE ONLY DUPLICATE I have to trade is Vol. 2, No. 8 (April 1935)

Gene

-----  
Date: Mon, 1 Sep 97 19:32:22 PDT  
From: gpewitt@execpc.com  
To: boatanchors@theporch.com  
Subject: Diversity Adaptor  
Message-ID: <Chameleon.970901194005.gpewitt@execpc.com.execpc.com>

I found a nice construction article for a diversity adaptor  
in the July 1948 CQ magazine. It is called the "flip-flop" and  
it is a bi-stable multi vibrator setup using 2 6AC7's and two  
6SC7's. It allows one receiver to choose between two antennas  
for the strongest signal.  
Looks pretty simple to build. If anyone wants a xerox copy  
just send me a sase, legal size should do.

-----  
Name: Gary Pewitt N9ZSV/KT  
6120 W. Calumet Rd. Apt 204  
Milwaukee, WI 53223  
414 355 8147 Home 414 297 4307 Work  
E-mail: gpewitt@execpc.com  
Date: 09/01/97  
Time: 19:32:22

This message was sent by Chameleon  
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-----  
Date: Mon, 1 Sep 1997 17:38:01 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>

To: boatanchors@sco.theporch.com

Subject: SB-301 minor problem...

Message-ID: <Pine.BSF.3.95.970901173139.3661C-100000@piobaire.mines.uidaho.edu>

My old SB-301 has a problem with the S-meter: it won't zero no matter what.

I am replacing the IF amp tubes ASAP in hopes that that will fix it. I was rather hoping that the collective experience might bring someone forth who has had this problem in the past and would share with me what they did to fix it.

No sense in re-inventing the wheel.

Aside from the S-meter being almost dead, and the switches being dirty, it seems to work fine on all bands.

Also, anyone have a spare SBA-301-1 the 3.75 kHz AM filter for this receiver or know where I can get one? Undoubtedly, there were not very many sold.

Ken W7EKB

-----  
Date: Mon, 1 Sep 1997 18:36:24 -0700

From: "Larry" <rau@wco.com>

To: "boatanchors" <boatanchors@theporch.com>

Subject: Paint aluminum tower with Zinc Chromate

Message-ID: <199709020038.RAA14667@shell.wco.com>

Standard procedure with aluminum aircraft is to use Zinc Chromate primer. the Aircraft primer is a medium olive green color, which should tone the thing down. Any electrical/mechanical joints should remain unpainted, and the best way to make sure that this happens is probably to disassemble the joints and give them a light to moderate coat of corrosion inhibiting ( eg conductiong) grease.

I prefer the black stuff made by GB ( gardner-bender) which is available at any good hardware store or electrical supply dealer.

The AC zinc chromate is usually self etching, but if you have surface corrosion to deal with, use DILUTED Jasco phosphoric acid and a light duty plastic kitchen scrubber... not steel or brass !... be sure to flush well with water, and maybe even some baking soda and water....and dry throroughly in the sun for a couple of days before you paint.

Rustoleum also makes zinc chromate primers in a variety of colors, but the paint is much thicker. It is however quite good. Brush or spray application will work. Avoid heavy applications.. as as always 2 thin coats are better than I thick one...

I wouldn't count on this improving the resale value of your antenna.. don't paint the insulators of course.

Larry Rau W6WUH

-----  
Date: Mon, 1 Sep 1997 19:54:23 -0500  
From: "C. Demeroukas" <demas@fgi.net>  
To: <boatanchors@theporch.com>  
Subject: Ham Gear FS  
Message-ID: <199709020051.TAA24649@templar.fgi.net>

Hello BAers:

I don't know the working condx of the following items FS (the prices should reflect such):

1. Portable Transmitter - Model A54H, Multi-Products Co. (ranges in MHz: 3.5 - 4, 14.0 - 14.4, 26.9 - 27.3, 28.0 - 29.7) - \$25.
2. Concord Model 2-131 transmitter(?) Has two channels - \$20
3. 150 - 174 MHz FM car converter (solid state) - \$15

All plus UPS. Thanks.

Chris

-----  
Date: Mon, 01 Sep 1997 18:55:26 -0700  
From: Dennis Gehrke <leeid@ix.netcom.com>  
To: BOATANCHORS <boatanchors@theporch.com>  
Subject: Eimac 450-TL Specs  
Message-ID: <340B720D.A696A924@ix.netcom.com>

I have just aquired 2 new 450-TL's, but can't find any specs on these tubes. Does anyone know the typical operating parameters in a HF linear amplifier application?

Dennis  
KC7VXD  
leeeid@ix.netcom.com

-----  
Date: Mon, 01 Sep 1997 21:10:24 -0400  
From: Bob Login <jlogin@gville.mindspring.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: 200V--Help  
Message-ID: <199709020121.VAA08941@brickbat8.mindspring.com>

Fellow BA's--Just acquired a 200V in complete condx with good output on cw on all bands(10&20 somewhat reduced--75W)--audio seemed ok but then just quit--now no audio on scope--tubes were all checked and replaced with best available-- don't think its a tube???

My question is that the manual I have has not trouble-shooting chart of voltages & resistances for each tube--Is there a service manual for the 200V--If so would love to have a copy. A friend of mine has info from ER abt this rig that should help--would appreciate hearing from other 200V owners. Can you help me put this beautiful rig back on the air?--73's Bob AA8A

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Date: Tue, 2 Sep 1997 01:22:47 -0700  
From: Bill Coleman N2BC <n2bc@ibm.net>  
To: boatanchors@theporch.com  
Subject: Gen Radio 1001-A manual ??  
Message-ID: <BMSMTP8731882812wf2awdc@pop3.ibm.net>

Anybody got a manual to copy? Gladly reimburse expenses plus a few cups-o-coffee!

-----  
Bill Coleman (N2BC)

-----  
Email: n2bc@ibm.net

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Date: Mon, 01 Sep 1997 20:14:48 +0000  
From: "Lawrence R. Ware" <lrware@pipeline.com>  
To: boatanchors@sco.theporch.com  
Subject: shelby 1000 lb awards

Message-ID: <3.0.32.19970901200538.006cf210@pop.pipeline.com>

Good evening folks, having had time to catch up and read my back mail; It is now time for the nominations for this years "Shelby 1000 lb's of Stuff" award. Winner of this award is the person who comes closest to hauling 500 lbs of BA equipment in and a \*different\* 500 lbs home with him.

(Drum Roll here if you please)  
This years nominees:

Nick England: Always an annual crowd pleasing favorite!  
The returning champion from last year;  
Nick and partner John brought a rental van this year, arrived loaded and left even more so.  
Had to have hauled in at least 400 lbs. Took home more, but some of the heavy items were for other BA members. (Does that count?)  
(BTW: Nick is up for a special \*lifetime\* achievement award, more about this later... :-)

Myself: Although I only hauled in about 200, and hauled another 400 out, my \*full\* pick-up truck should get me a least an honorable mention... I need a bigger truck if I want to be a \*serious\* competitor! <grin>

Haney Howell: Only a couple hundred out, but \*two\* DX-100's and the power supply from hades came in with him. (Double points for the two man lift items... :-)

BA Bob and partner Tim: Hauled over a thousand old magazines in, and most of them home with them again.

Did I miss anybody else who was a contender? :-)  
Send your votes to: lrware@pipeline.com  
And I promise I won't stuff the ballot box again this year... :-)

-Larry Ware  
lrware@pipeline.com  
Orlando, Florida

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Date: Mon, 1 Sep 1997 20:52:59 -0500 (EST)  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
To: Jack Harper <jharper@bs2000.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Affect of Painting Antennas?

Message-ID: <Pine.SUN.3.96.970901203256.19657A-100000@indy3>

Hi, Jack (and list)!

In BC apps, the paint we use on towers is...just paint. While the \*colors\* are regulated by law (ask for "Aviation Orange" and "Aviation White" at your local paint store), and various sorts are claimed to be more long-lived than others, it's pretty ordinary stuff. Both enamels (recently, the modern water-clean-up type) and latex types are used. Enamel is generally better but latex is often cheaper.

If you don't \*have\* to paint the tower in official red and white, avoid 'em; the color-scheme is designed for high visibility and will attract even more attention than a metallic tower! (Jack's color plan would work quite well in conifers; if you've got deciduous trees, maybe dark brown would be better. Or match the house-paint and try sky-blue from roof-level up? <grin>)

It does not seem to have much, if any, effect at MF. VHF and up antennas are usually \*not\* painted; one exception is slot-type ("Alford Slot" UHF antennas are pretty well-known in ATV circles) radiators, which have insulators over the slot openings and are sometimes painted without ill effect. ("Insulator" is an iffy concept at UHF and up, though, and it can be a problem--TV stations that have the call-letters painted on their fancy radar radomes often regret it!)

I very much doubt that a coat or two of good paint would have much effect on a ham HF vertical. Certainly less than vinyl insulation has on wire antennas--and many of us have used "house wire" for perfectly good antennas.

One caveat: \*do\* \*not\* (don't don't don't--what I tell you three times is true!) paint the insulators. While most dry paint is nonconductive (some black formulations excepted), it's nowhere near as good an insulator as glass or glazed porcelain, and just as important, it's not as smooth--it will quickly collect contaminants and could arc over!

As a practical matter, tower painting is best done on a \*windless\* day (get very high and the paint goes for miles and I'll bet Mr. Neighbor will not settle for an Earl Schieb repaint job on his Edsel), and most often is done with a painting glove, a sort of a cross between a rag-mop and a mitten. It's inelegant but fast. I have seen towers painted with super-duper airbrushes but would put it in the "don't try this at home" category, as it's tricky and is especially prone to redecorating nearby roofs, lawns and what-have-you.

73,  
--Bobbi

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Date: Mon, 01 Sep 1997 20:53:25 -0500  
From: Mike Sanders <k0az@i1.net>  
To: keng@uidaho.edu, Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: SB-301 minor problem...  
Message-ID: <3.0.16.19970901204152.2b9730a8@i1.net>

Probably the meter pot itself. Mine needs cleaning and readjusting often. Someday I will change out the pot. 73, Mike K0AZ

At 05:38 PM 9/1/97 -0700, Ken Gordon wrote:  
>My old SB-301 has a problem with the S-meter: it won't zero no matter  
>what.  
>  
>I am replacing the IF amp tubes ASAP in hopes that that will fix it. I was  
>rather hoping that the collective experience might bring someone forth who  
>has had this problem in the past and would share with me what they did to  
>fix it.  
>  
>No sense in re-inventing the wheel.  
>  
>Aside from the S-meter being almost dead, and the switches being dirty, it  
>seems to work fine on all bands.  
>  
>Also, anyone have a spare SBA-301-1 the 3.75 kHz AM filter for this  
>receiver or know where I can get one? Undoubtedly, there were not very  
>many sold.  
>  
>Ken W7EKB  
>  
>  
>

-----  
Date: Mon, 1 Sep 1997 22:11:17 -0400  
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>  
To: boatanchors@theporch.com  
Subject: Re: painting antennas  
Message-ID: <v03007802b031262836bd@[134.53.65.12]>

Here's an idea I used this summer at my vacation cabin in Montana (where NO antennas are allowed). I hid a Cushcraft R7000 in a grove of Aspen trees. To conceal the antenna, I first wrapped it with Scotch "88" black electrical tape, which is an all-weather tape that doesn't crack or peel at cold temperatures. It took two rolls of tape to finish the job. Then I



bought two colors of spray paint, designed to match the foliage and wood of the Aspen trees, and sprayed the tape in a mottled camoflauge pattern. The antenna is now virtually invisible, and can be restored at a future date to like-new condition by just unwrapping the tape.

73,

Jim Garland W8ZR

-----  
Date: Mon, 01 Sep 1997 17:47:26 -0700  
From: Paul E Settle <pauls@inreach.com>  
To: Boatanchors <boatanchors@sco.theporch.com>  
Subject: Help ID National receiver  
Message-ID: <340B621E.22D3@inreach.com>

BA folks

Can someone help in IDing a National receiver just acquired?  
Looks as if it was a military rig (grey paint inside, black outside).  
Covers freqs .54 to 30mc. in 5 bands, has 11 tubes 5Z3, 6F8, 6C8, 6K6,  
6J5, 2-6J7 and 4 of the 6K7's. Controls are, left to right; Limiter,  
Tone, Power Supply, mvo control, Bandswitch, Phasing, Selectivity, CW osc  
and AFC Gain. Has square dial face in upper center of panel.

Thanks in advance.

Paul Settle KE6TPR <pauls@inreach.com>

-----  
Date: Tue, 2 Sep 97 02:33:23 GMT  
From: bgraham@tecnet1.jcte.jcs.mil  
To: boatanchors@theporch.com, heath@listserv.tempe.gov  
Subject: Re: SB-301 minor problem...  
Message-ID: <199709020244.VAA23223@sco.theporch.com>

I found one on the list once but the owner wanted more than I paid for the sb301. Mine works in am mode and I suspect the previous owner "wired around" where the filter is inserted into the circuit. From the drop in gain I'd guess there is somethin of a mismatch.

One of these days I need to take it apart again and see just what he did as I didn't notice when I was fixoing it up since there wasn't a filter there I didn't try am mode.

Would be interested in any info about mods that may have been published

for either "wring around" filter connections or making a substitute filter.

73

Bill

N5LMX/DA1WG

<http://www.geocities.com/Tokyo/Towers/7827>

-----  
Date: Mon, 1 Sep 1997 19:54:25 -0700 (MST)

From: Scott Townley <n7u@primenet.com>

To: leeid@ix.netcom.com, Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Eimac 450-TL Specs

Message-ID: <1.5.4.16.19970901195441.58bfa222@mailhost.primenet.com>

>From Radio Handbook (Orr), 10th ed.

450TL

cathode 7.5V/12A

typ. class-c telegraphy

Eb=4000

Eg=-700

Ib=500mA

Ig=70mA

Pdrive=100W

Pout=1550W

typ. class-c telephony

Eb=4000

Eg=-700

Ib=400mA

Ig=70mA

Pdrive=100W

Pout=1250W

At 18:55 01.09.1997 -0700, Dennis Gehrke wrote:

>I have just aquired 2 new 450-TL's, but can't find any specs on these  
>tubes. Does anyone know the typical operating parameters in a HF linear  
>amplifier application?

>

>73

>

>Dennis

>KC7VXD

>leeeid@ix.netcom.com

>  
>  
>

-----

"This 'telephone' has too many shortcomings to be seriously considered as a means of ... communication. The device is inherently of no value to us"

-Western Union internal memo, 1876.

"The telephone will be used to inform people that a telegram has been sent"

-Alexander Graham Bell

-----

Scott Townley  
nx7u@primenet.com

-----

Date: Mon, 01 Sep 1997 20:15:54 -0700  
From: Jack Antonio <dia@dia.reno.nv.us>  
To: boatanchors@theporch.com  
Subject: BC-348 questions  
Message-ID: <340B84EA.7096@dia.reno.nv.us>

I recently acquired a BC-348-Q and spent a pleasant afternoon bringing it (almost) back to life. It had been modified with a noise limiter, S-meter, different RF amp tubes and changes to the B+ and cathode circuits. It was also quite deaf! So, I started putting the circuitry back to original and lo and behold, the more I demodified, the more sensitive and less distorted it sounded! Maybe those guys at RCA knew what they were doing after all.

One of the problems remaining is in dial calibration. I notice that there are no coil adjustments to set tuning range. On the 3.5 to 6 range, if I set the trimmer to be OK at 6.0 then 3.5 tunes about 3/8 inch below where the dial says. On the two higher bands I can't get the dial to agree with frequency at any point on the dial. I was wondering if any of the BC-348 fans on the list have had any experience here and have any possible solutions.

The next step is cosmetic repairs. Anyone have a couple of knobs for dial light and CW osc on/off? Also the power plug would be welcome as well.

Thanks  
Jack Antonio WA7DIA  
dia@dia.reno.nv.us

-----  
Date: Mon, 1 Sep 1997 23:27:00 -0400  
From: polepeeg@aa4rm.radio.org (Marty Reynolds' BA ID)  
To: boatanchors@theporch.com, pauls@inreach.com  
Subject: Re: Help ID National receiver  
Message-ID: <199709020327.XAA09080@aa4rm>

Sounds like a RA0-x to me. Atsa NC101A with an xtra RF amplifier to further isolate LO fm antenna - an act I consider unnecessary BS brought on by an E H Scott USN propaganda campaign.

Our taxpayer's \$\$\$ @ war... so who cares?

M

-----  
End of BOATANCHORS Digest 1649  
\*\*\*\*\*

>From ???@??? Wed Sep 03 03:47:54 1997  
Message-Id: <199709021758.MAA14094@sco.theporch.com>  
Date: Tue, 2 Sep 1997 12:58:11 CDT  
Subject: BOATANCHORS digest 1650

BOATANCHORS Digest 1650

Topics covered in this issue include:

- 1) Re: SB-301 minor problem...  
by Ken Gordon <keng@uidaho.edu>
- 2) Front Panel Renewals  
by "Allan Fritsche" <fritsche@classic.msn.com>
- 3) SALE/SWAP: S-line 500Hz filter  
by eb5agv@ctv.es
- 4) Another \$185 S-line CW filter  
by marty@aa4rm.radio.org (locale for Marty Reynolds)
- 5) Shelby tons 'o fun  
by marty@aa4rm.radio.org (locale for Marty Reynolds)
- 6) Re: Another \$185 S-line CW filter  
by eb5agv@ctv.es
- 7) HEATHKITS SPOTTED  
by "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>
- 8) SWAP: S-line 500Hz filter :SWAP  
by eb5agv@ctv.es
- 9) FS: Excellent copy of TM11-856 (R-390 technical manual)

- by Michael Crestohl <mc@shore.net>
- 10) FS: R-390A receiver, can deliver to Gaithersburg next weekend  
by Michael Crestohl <mc@shore.net>
  - 11) Painting antennas  
by bocks@erols.com
  - 12) Exclusive AWA Report - AWA '97 Online Sept. 3-6  
by "John H. Dilks III" <oldradio@worldnet.att.net>
  - 13) FS: Books & HP Catalogs  
by jeffa@ix.netcom.com (Jeff Anderson)
  - 14) Collins CW filter spoken for. THANKS!  
by eb5agv@ctv.es
  - 15) Re: A weird SX-71 problem solved!  
by Bob Roehrig <broehrig@admin.aurora.edu>
  - 16) Free for postage  
by jvercellino@sprynet.com
  - 17) Heathkit TT-1 Tube Tester Survey  
by jeffa@ix.netcom.com (Jeff Anderson)
  - 18) DOE!!!! (H. Simpson)  
by marty@aa4rm.radio.org (locale for Marty Reynolds)
  - 19) BA Frequencies List  
by Eugene Rippen <soundval@foothill.net>
  - 20) Time delay relay in R-392?  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
  - 21) Sandy's novice call and PC getting fixed  
by "David L. Thompson" <thompson@mindspring.com>
  - 22) Off-Topic Threads  
by List Admin/Owner Radio Mail Lists <listown@jackatak.theporch.com>
  - 23) Tnx for the help on the R390a  
by "Bruce J. Howes" <bhowes@buffnet.net>
  - 24) 6146 Tube Substitution  
by jproc@bellglobal.com (Jerry Proc)
  - 25) 75A4 and audio gen.  
by laffitte@prtc.net (laffitte)
  - 26) Does CQ MAG have e-mail address  
by BEN NOCK <G4BXD@compuserve.com>
  - 27) Aerial ID needed  
by BEN NOCK <G4BXD@compuserve.com>
  - 28) RT-44 info wanted  
by BEN NOCK <G4BXD@compuserve.com>
  - 29) WS No 48 info wanted  
by BEN NOCK <G4BXD@compuserve.com>
  - 30) Re: 6146 Tube Substitution  
by Ken Gordon <keng@uidaho.edu>

-----  
Date: Mon, 1 Sep 1997 22:50:44 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>

To: bgraham@tecnet1.jcte.jcs.mil  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: SB-301 minor problem...  
Message-ID: <Pine.BSF.3.95.970901225013.5482F-100000@piobaire.mines.uidaho.edu>

> Would be interested in any info about mods that may have been published  
> for either "wiring around" filter connections or making a substitute  
> filter.

Or any other mods for that matter.

Ken W7EKB

-----  
Date: Mon, 1 Sep 97 22:32:31 UT  
From: "Allan Fritsche" <fritsche@classic.msn.com>  
To: boatanchors@theporch.com  
Subject: Front Panel Renewals  
Message-ID: <UPMAIL03.199709012235080910@classic.msn.com>

Hey Gang, got of the phone a little while ago with Ron Eisenbrey.

He does not do front panel restorations anymore..

So alas, another source of quality work disappearing into the sunset.

Al  
fritsche@msn.com

-----  
Date: Tue, 02 Sep 1997 11:31:23 +0200  
From: eb5agv@ctv.es  
To: boatanchors@sco.theporch.com  
Subject: SALE/SWAP: S-line 500Hz filter  
Message-ID: <3.0.1.32.19970902113123.0074aec8@192.168.0.1>

Hi gang,

As title says, I have for sale or swap a used but in very good condition  
Collins 500Hz S-line filter. I ask \$185 for it, shipped to your door by Air  
mail.

In case of swapping, some of the items I'm looking for are:

-1.5 KHz Collins S-line narrow SSB filter  
-NB-4 noise blanker for Drake R-4C  
-SSB/CW Filters for Drake R-4C

Let's talk :- ) !

Thanks and best regards.

JOSE

-----  
73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
Ausias March 46, 15  
46910 Benetusser - VALENCIA  
SPAIN

\*\*\*\*\* PLEASE, VISIT MY HOME PAGE! \*\*\*\*\*

<http://www.geocities.com/SiliconValley/6992/>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org  
-----

-----  
Date: Tue, 2 Sep 1997 06:29:23 -0400  
From: marty@aa4rm.radio.org (locale for Marty Reynolds)  
To: boatanchors@theporch.com  
Subject: Another \$185 S-line CW filter  
Message-ID: <199709021029.GAA09281@aa4rm>

But I'll include a \$100 3kc SSB filter and \$50 32S1 receiver in a

NON-SEPARABLE PACKAGE!

So that's a \$335 32S1 RX w. .5 & 3kc filt.s in very nice condition.  
It has the Viet Nam MFP coating too. If only this thing could talk  
(history). I'll bet it came home in a duffle bag.

Marty

-----  
Date: Tue, 2 Sep 1997 06:36:39 -0400  
From: marty@aa4rm.radio.org (locale for Marty Reynolds)

To: boatanchors@theporch.com, lrware@pipeline.com  
Subject: Shelby tons 'o fun  
Message-ID: <199709021036.GAA09322@aa4rm>

Hands down winner has to be John Poulan (like saw, unlike Poulton)

Seen there:

2 Globe Kings (they make my heart sing)  
1 450TH / 2x 304TH homebrew  
1 Stancor ST202  
1 75A4 sold w. 3 filt.s for \$600  
...and a cast of 100s (more #s)

MR

-----  
Date: Tue, 02 Sep 1997 12:47:07 +0200  
From: eb5agv@ctv.es  
To: boatanchors@sco.theporch.com  
Cc: marty@aa4rm.radio.org  
Subject: Re: Another \$185 S-line CW filter  
Message-ID: <3.0.1.32.19970902124707.00731268@192.168.0.1>

Hi Marty,

I'm sorry for your comment... Well, I paid exactly this value for it when I bought it so I think price is not so bad.

And, by the way, a 32S1 is not very suitable for receiving ;-)

Regards.

JOSE

At 06:29 2/09/97 -0400, you wrote:

>  
>But I'll include a \$100 3kc SSB filter and \$50 32S1 receiver in a  
>  
> NON-SEPARABLE PACKAGE!  
>  
>So that's a \$335 32S1 RX w. .5 & 3kc filt.s in very nice condition.  
>It has the Viet Nam MFP coating too. If only this thing could talk  
>(history). I'll bet it came home in a duffle bag.  
>  
> Marty



>

-----  
73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
Ausias March 46, 15  
46910 Benetusser - VALENCIA  
SPAIN

\*\*\*\*\* PLEASE, VISIT MY HOME PAGE! \*\*\*\*\*

<http://www.geocities.com/SiliconValley/6992/>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org  
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-----  
Date: Tue, 2 Sep 1997 07:15:03 -0400  
From: "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>  
To: BOATANCHORS <boatanchors@theporch.com>  
Subject: HEATHKITS SPOTTED  
Message-ID: <199709020715\_MC2-1ED8-D815@compuserve.com>

Group,

I wandered by the radio shop in the antique mall behind my house yesterday.

They have a Heathkit TC-2 tube tester @ \$78.00 and a V-7A VTVM @ \$36.00.=  
=

Both appear to be in good condition. I have no idea whether the asking prices are good, bad or indifferent, as I only keep up with the military junkie. Anyone interested should e-mail me direct. I'll be happy to pick them up and ship them.

73, Robert Downs  
RWDowns\_WA5CAB@compuserve.com

-----  
Date: Tue, 02 Sep 1997 13:31:03 +0200  
From: eb5agv@ctv.es  
To: boatanchors@sco.theporch.com  
Subject: SWAP: S-line 500Hz filter :SWAP  
Message-ID: <3.0.1.32.19970902133103.006e1ea4@192.168.0.1>

Hi again gang,

Sorry for the extra bandwidth... Well, it sounds as my asking price was far of a fair price. SORRY!!!!. So I offer the filter ONLY for SWAP (this way you put the price :-) )

Items I'm looking for:

- 1.5 KHz Collins S-line narrow SSB filter
- NB-4 noise blanker for Drake R-4C
- SSB/CW Filters for Drake R-4C

I'm open to other trades... Let's talk!.

Thanks and best regards.

JOSE

-----  
73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
Ausias March 46, 15  
46910 Benetusser - VALENCIA  
SPAIN

\*\*\*\*\* PLEASE, VISIT MY HOME PAGE! \*\*\*\*\*

<http://www.geocities.com/SiliconValley/6992/>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org  
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-----  
Date: Tue, 2 Sep 1997 07:37:17 -0400 (EDT)  
From: Michael Crestohl <mc@shore.net>  
To: boatanchors@theporch.com  
Subject: FS: Excellent copy of TM11-856 (R-390 technical manual)  
Message-ID: <199709021137.HAA09305@northshore.shore.net>

Hello All:

I recently purchased an original copy of TM11-856 which is the complete US Army manual for the R-390 receiver. This is dated January 1955. In 1961 the Army split TM11-856 into three separate manuals, TM11-5820-357-10, -20 and -35 covering different aspects of this receiver.

Up until now I had an excellent copy of TM11-856, double-sided pages and spiral-bound. The only real difference is the schematics are not on

one page as is in the original. However, since I have the original now I have no real use for this copy and so will sell it for \$25.00 (which is what I paid for it) plus \$3.00 for Priority Post.

Note that this manual is for the R-390 not the R-390A. The R-390A is significantly different and has its own manual sets, TM11-5820-358-10, -20 and -35.

If interested please reply by e-mail.

73,

Michael Crestohl, W1RC  
mc@shore.net

-----  
Date: Tue, 2 Sep 1997 07:46:24 -0400 (EDT)  
From: Michael Crestohl <mc@shore.net>  
To: boatanchors@theporch.com  
Subject: FS: R-390A receiver, can deliver to Gaithersburg next weekend  
Message-ID: <199709021146.HAA10600@northshore.shore.net>

Hello Everyone:

I have for sale a nice clean R-390A, Capehart Corp, Order # 21582-PC-61 made in 1961. It is complete with covers and original meters, works well, etc. It does not appear to have been modified. Front panel paintwork is very nice but there seems to have been a metal tag attached to it as there are two small holes on the lower right side of the panel near the bottom. I believe that the Navy used to attach metal tags to their R-390As. This is not really noticable but if you wanted to refinish the panel and repaint it this would be relatively easy inasmuch as the lettering is engraved, not silk-screened as is the case with some of the R-390As.

All tubes tested over minimum spec on my TV-7D/U but could probably use an alignment. Price is \$400.00 and will deliver to FARFest at Gaithersburg MD next weekend or will ship at the buyer's expense in two packages. Should the buyer wish the radio to be worked on by Chuck Rippel (WA4HHG) I could arrange to deliver it to him at the FARFest as I understand he will be attending.

If interested please reply by e-mail.

73,

Michael Crestohl, W1RC

mc@shore.net

-----  
Date: Tue, 02 Sep 1997 08:04:42 -0700  
From: bocks@erols.com  
To: boatanchors@theporch.com  
Subject: Painting antennas  
Message-ID: <340C2B09.7A61@erols.com>

The Navy has, does, and probably will continue to paint \*ALL\* shipboard antennas except small stainless-steel whips and the phosphor-bronze wire types.

We painted 35-foot whips (which were 5-section, screw-together aluminum) by using anti-seize compound on the interlocking threads and then painting the antenna with zinc chromate followed by haze gray. These antennas were used for MF/HF receiving and/or 500-watt HF transmitting. Same for VHF/UHF stubs, VHF/UHF/SHF LPAs and the like, etc. Even radomes were painted with non-conductive spray paint ("equipment gray", as I recall) excluding \*only\* the fiberglass cover over the feed-horn opening of the AN/SPS-10F surface search radar (peak output power was 160 kw).

No ill effects were ever noted on any antenna. I expect that there is a Navy publication somewhere which talks about what kinds of paint to avoid in terms of composition; I'm sure the Army and Air Force have them as well. Any of them should answer every conceivable question about painting antennae.

73,

Paul, K4MSG

P.S. FWIW, my antenna mast is satin black and all my VHF & UHF yagi antennae (50, 144, 432) are painted with Krylon flat black for low visibility. No ill effects, and the desired visual effect is achieved.

-----  
Date: Tue, 2 Sep 1997 12:16:45 +0000  
From: "John H. Dilks III" <oldradio@worldnet.att.net>  
To: boatanchors@theporch.com  
Subject: Exclusive AWA Report - AWA '97 Online Sept. 3-6  
Message-ID: <19970902121643.AAA20001@LOCALNAME>

Exclusive AWA Report - AWA '97 Online Sept. 3-6

Brought to you by the New Jersey Antique Radio Club.

John Dilks, K2TQN and Ludwell "Scoop" Sibley, KB2EVN - Editors

Check the New Jersey Antique Radio Club's home page for the daily link every evening for Photos and daily reports of everything happening at Rochester this year.

<http://www.eht.com/oldradio>

See you there!

73' John Dilks, K2TQN

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=====
|                                     http://www.eht.com/oldradio
| Exclusive Report! The 1997 AWA meet in Rochester, NY as it happens.
| Updated September 2, 1997 - Please visit.
=====

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Date: Tue, 2 Sep 1997 07:36:53 -0500 (CDT)  
From: jeffa@ix.netcom.com (Jeff Anderson)  
To: jeffa@ix.netcom.com  
Cc: boatanchors@theporch.com  
Subject: FS: Books & HP Catalogs  
Message-ID: <199709021236.HAA15912@dfw-ix14.ix.netcom.com>

I have the following for sale. Unless noted, shipping is \$3.50 for the first book, \$1.50 for each additional book.

NAB Engineering Handbook, National Association of Broadcasters, 6th edition, 1975. (This baby is BIG). \$25 + \$5 shipping.

Guided Missiles, Department of the Air Force, 1958, McGraw-Hill (Nicely done hardbound version of Air Force Manual 52-31). \$25 + \$4.00 shipping.

Electronics, Millman & Seely, 1941, McGraw-Hill, First Edition. \$15

Phase-Locked Loops, Roland Best, 1993, McGraw-Hill, Second Edition with software (5 1/4" diskette). \$25

The Radio Amateur's Handbook, 1969, ARRL, (previous owner's name written on cover in pen), \$10

The Radio Amateur's Handbook, 1965, ARRL, \$10

Electric Circuits, James Nilsson, 1987, Addison Wesley, Second Edition  
(good text on basic circuit theory), \$10

FM Transmitters and Receivers, Army Tech Manual TM 11-668, \$5

Pulse Techniques, Army Tech Manual TM 11-672, \$5

Generation and Transmission of Microwave Energy, Army Tech Manual TM  
11-673, \$5

Electrical Fundamentals (Alternating Current), Army Tech Manual TM  
11-681, \$5

#### HP Catalogs

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1965 \$20

1972 \$15

1973 \$15

1982 \$12

1985 \$12

1986 \$12

1987 \$10

1988 \$10

- Jeff, WA6AHL

-----  
Date: Tue, 02 Sep 1997 14:59:38 +0200

From: eb5agv@ctv.es

To: boatanchors@sco.theporch.com

Cc: BAswaplist@foothill.net

Subject: Collins CW filter spoken for. THANKS!

Message-ID: <3.0.1.32.19970902145938.006c4eec@192.168.0.1>

Hi gang,

Sorry!. I wish I had lots of them!.

Best regards.

-----  
73 JOSE V. GAVILA (EB5AGV / EC5AAU)

Ausias March 46, 15  
46910 Benetusser - VALENCIA  
SPAIN

\*\*\*\*\* PLEASE, VISIT MY HOME PAGE! \*\*\*\*\*

<http://www.geocities.com/SiliconValley/6992/>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org

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Date: Tue, 2 Sep 1997 07:59:17 -0500 (CDT)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: "William H. Launer" <launerb@crl.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: A weird SX-71 problem solved!  
Message-ID: <Pine.ULT.3.96.970902075828.18152B-1000000@admin.aurora.edu>

On Mon, 1 Sep 1997, William H. Launer wrote:

> I have an SX-62 that was ok on all bands except the am bc band, where it  
> only would receive strong local signals. After much frustration, I  
> discovered that one of the rf amp coils was open. Using a magnifier, I  
> found that one of the coil wires had broken away from its solder terminal.  
> By unwinding one turn from the coil, I was able to reterminate the wire.  
> This restored the sensitivity.

I had the same problem with a SX-43 a few years ago. Maybe this is a  
Hallicrafters trait?????????

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

-----

Date: Tue, 2 Sep 1997 06:33:17 -0700  
From: jvercellino@sprynet.com  
To: Boatanchors@sco.theporch.com  
Subject: Free for postage  
Message-ID: <199709021333.GAA11020@m1.sprynet.com>

I made photocopies of several articles from old QSTs and Popular Electronics  
that I was going to toss, but I thought that perhaps some BA member would  
like to have them instead. Free for postage from 60516. \$2.00 should cover

it for U.S. Domestic. Save this from the recycling bin!

Dec 1965 QST -- "The Penny-Pincher's Dream" - Phased elements plus director on 20

Aug 1966 PE -- "Technician Band Antenna Coupler" - Secure optimum coax line match on either 6 or 2 meters

Dec 1965 QST -- Review of the Drake TR-4 Transceiver

Dec 1965 QST -- Three-page ad introducing the Heathkit SB-100

Aug 1966 PE -- "Amateur Equipment Jamboree 1996" ten pages of "New Receivers, Transmitters, and Tranceivers -- Kits and Factory-wired -- Feature Improved Selectivity, Sensitivity, Stability, and Tuning Accuracy" with price lists

-----  
Date: Tue, 2 Sep 1997 08:43:23 -0500 (CDT)  
From: jeffa@ix.netcom.com (Jeff Anderson)  
To: boatanchors@theporch.com  
Subject: Heathkit TT-1 Tube Tester Survey  
Message-ID: <199709021343.IAA13335@dfw-ix13.ix.netcom.com>

I've been conducting a survey to see how closely the readings on different Heathkit TT-1 (or TT-1A) tube testers match when testing an identical set of tubes. So far I've run a set of 8 tubes on 3 different TT-1 testers, and I would like to know if anyone else is interested in testing these tubes on their testers.

If interested, I'll send you the box of tubes (via UPS or Fed-EX) and a form. You then test the tubes, fill in the form with the results, and send them back to me. I'll pay for the postage to you, and you pay for the return postage.

Please let me know if interested.

Thanks!

- Jeff, WA6AHL

P.S. Jim & Steve - Let me know if you'd like a copy of the current results, or if I should send them to you following completion of any additional tests.

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Date: Tue, 2 Sep 1997 09:47:16 -0400  
From: marty@aa4rm.radio.org (locale for Marty Reynolds)  
To: boatanchors@theporch.com  
Subject: DOE!!!! (H. Simpson)  
Message-ID: <199709021347.JAA09505@aa4rm>

Listening on a 32S1???

Change all references to the dual filter 32S1 for \$335 to a 75S1 for \$335.

Note to Jose Gavila: tks the heads-up... but SSB might sound better  
with a .5 kc filter! Sure.

Sri,

Mty

-----  
Date: Tue, 02 Sep 1997 07:24:07 -0700  
From: Eugene Rippen <soundval@foothill.net>  
To: boatanchors@theporch.com  
Subject: BA Frequencies List  
Message-ID: <340C2187.737@foothill.net>

MY updated Frequencies List for BA operations is  
now posted to the archives.

It is in column form. It is written in the order of  
commonly used BA frequencies. That is, those frequencies  
that are for calling, hanging out, nets or swap meets.  
Those uses are described for each frequency listed,  
along with the date and time, if it is a net or a swap  
meet.

Gene

-----  
Date: 02 Sep 1997 09:38:21 -0500  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
To: boatanchors@sco.theporch.com  
Subject: Time delay relay in R-392?  
Message-ID: <1997Sep02.093822-0500@spike.vuse.vanderbilt.edu>

So I've got my Wart (R-392, Collins, 1951 contract) working pretty  
good.

One of the thing I can't help noticing is that there is about a ten-second delay between the time I turn it on (standby) until the dial lights and filaments go on. I also hear a faint click when the lights go on.

Now, maybe I'm missing something, but I've looked over the diagrams (the package Fair sells; spec unknown) pretty carefully and find three relays, for antenna, squelch and break-in, but no time-delay relay. The diagram shows nothing between the power line and the lights.

Is this a feature of an early design? Or is there something peculiar going on here?

73            A. B.

-----  
Date: Tue, 2 Sep 1997 12:02:22 -0400 (EDT)  
From: "David L. Thompson" <thompson@mindspring.com>  
To: boatanchors@sco.theporch.com  
Subject: Sandy's novice call and PC getting fixed  
Message-ID: <1.5.4.16.19970902110637.430f0136@pop.mindspring.com>

I will getting my PC processor fixed this week (its under warranty..) but I am told that they may keep it for up to 5 days. If you need me for anything I can be reached at my alternative address dltkal@msn.com.

I was looking through the Jan 1952 QST looking for the call of an early YL op in Mississippi and see that a young novice (the novice was a brand new license then) in Louisiana, WN5TVW, listed in the state listing. He is one for keeping the same call as Sandy is W5TVW today and alive and well on BA!

Suggest you pick up and old CQ or QST (pre 1970) and see first hand where our gear comes from and who was who in those days. Great reading and the pictures and ads make you want more BA gear!

73, Dave K4JRB

-----  
Date: Tue, 2 Sep 1997 11:18:38 -0500 (CDT)  
From: List Admin/Owner Radio Mail Lists <listown@jackatak.theporch.com>  
To: boatanchors@sco.theporch.com  
Subject: Off-Topic Threads  
Message-ID: <9709021118.aa29161@jackatak.theporch.com>

Gang-

I am as curious as the next guy, and I enjoy good technical discussions as well as the next person, \*BUT\*...

We are here to discuss BoatAnchors, OLD tube equipment, and not the general ham applications and questions that inevitably come up.

I am as interested as anyone about towers and painting, about antennas, and several other \*GENERAL\* amateur topics that are TOTALLY inappropriate for the boatanchors list!

There is a reflector already set up for tower questions, and a newsgroup (also available by email via ucsd.edu) for antenna questions.

PLEASE folks, before I have to consult a Federal Judge about the over-crowding conditions in the penalty box and release some felons back onto the list, KEEP ON TOPIC!!!!

I understand the temptation, and I know there are certainly people here who share those interests and have good answers... just be considerate of the list and take the general topics to more appropriate venues -- you will hit a wider audience and they would love to have the new questions and ideas.

Thanks for the time... Stay focused and the value of the list will grow...

--

73

Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -  
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

-----  
Date: Mon, 01 Sep 1997 12:57:13 -0400  
From: "Bruce J. Howes" <bhowes@buffnet.net>  
To: BoatAnchors Mailing List <boatanchors@theporch.com>  
Subject: Tnx for the help on the R390a  
Message-ID: <340AF3E8.181AB999@buffnet.net>

This is a multi-part message in MIME format.

-----19981A7A70D14F3D9B9033C4

Content-Type: text/plain; charset=us-ascii

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Just a thank you! to those who responded to my question of poor gain/weak signal on the R390a.

The problem turned out to be a weak crystal in the L0. The 11500KC crystal for the 3MHz and 20Mhz bands was the culprit.

Neat radio, really enjoyed working with it!

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                (o o)
+-----o00--(_)--00o-----+
: Bruce J. Howes KG2IC          email:kg2ic@amsat.org      :
: European Performance Group    Bosch Authorized Service  :
: East Amherst, NY 14051        web:www.buffnet.net/~bhowes :
: AMSAT-NA Area Coordinator     fax:(716) 689-2880         :
: ARMY MARS AAR2AJ              :
+-----o00--(_)--00o-----+
                ( ) ( )
                \ ( ) /
                \ _ ) ( _/
```

-----19981A7A70D14F3D9B9033C4

Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"

Content-Transfer-Encoding: 7bit

Content-Description: Card for Bruce Howes KG2IC

Content-Disposition: attachment; filename="vcard.vcf"

```
begin:          vcard
fn:             Bruce Howes KG2IC
n:             Howes KG2IC;Bruce
org:           European Performance Group
adr:           ;;East Amherst;NY;14051;USA
email;internet: bhowes@buffnet.net
title:         President
tel;fax:       (716) 689-2880
note:         Interests: Ham radio, BMW Motorcycles, Politics, History
x-mozilla-cpt: ;0
x-mozilla-html: FALSE
end:          vcard
```

-----19981A7A70D14F3D9B9033C4--

-----  
Date: Tue, 02 Sep 1997 13:22:20 -0400  
From: jproc@bellglobal.com (Jerry Proc)  
To: boatanchors@theporch.com  
Subject: 6146 Tube Substitution  
Message-ID: <340C4B4C.6B96@bellglobal.com>

Dear BA'ers,

Recently, I measured the output power of my KW Electronics KW2000 transceiver and discover that the level is only 40 watts instead of 150. To my surprise, I find that someone had previously installed both a 6146 and 6146B in the output stage instead of a pair of 6146's. Some questions before I run out and buy replacement tubes:

1) It is my belief that output tubes running in parallel should be matched as ideally as possible. Emission is only one component of matching tubes. Identical emission is ideal, however if one is using an emission type tester, what is the maximum deviation (in percentage) that can be tolerated yet still call the tubes a matched set considering the application and testing method? If I can't find a matched set, I may have to mix and match individual tubes.

2) The tube list calls out 6146's. Has anyone substituted 6146B's in place of 6146's? Any caveats to watch out for?

--  
Regards,  
Jerry Proc VE3FAB  
jproc@bellglobal.com  
HMCS HAIDA Naval Museum, Toronto Ont.

-----  
Date: Tue, 02 Sep 1997 13:36:15 -0300  
From: laffitte@prtc.net (laffitte)  
To: boatanchors@theporch.com  
Subject: 75A4 and audio gen.  
Message-ID: <340C407F.2FB1@prtc.net>

Hello BAers:

I need a copy of the 75A4 manual in order to perform some troubleshooting on a set that landed in my shack. Will appreciate any help on this and will gladly pay for copies and shipping.

The Knight audio generator that I offered for free is still looking for a good home. As I said before it works but needs some TLC in the cabinet (mostly cleaning). I box it and take it to the post office. You just pay the shipping.

TNX and 73s  
Guido E. Santacana KP4FAR  
BA collector in the tropics

-----  
Date: Tue, 2 Sep 1997 13:39:00 -0400  
From: BEN NOCK <G4BXD@compuserve.com>  
To: Multiple recipients of l <boatanchors@sco.theporch.com>  
Subject: Does CQ MAG have e-mail address  
Message-ID: <199709021339\_MC2-1EDF-9EA8@compuserve.com>

Does anyone know of an e-mail address for Alan Dorhoffer, =  
editor CQ MAG ??

Ben G4BXD.

-----  
Date: Tue, 2 Sep 1997 13:39:04 -0400  
From: BEN NOCK <G4BXD@compuserve.com>  
To: Multiple recipients of l <boatanchors@sco.theporch.com>  
Subject: Aerial ID needed  
Message-ID: <199709021339\_MC2-1EDF-9EAE@compuserve.com>

I would like to try and id which set the following  
aerial was used with.

Its a folding log periodic which has the following  
on it:

UNIT OF ASSAY AS 2236/GRO

MRF DOL?MARGOL

It seems to work between about 14 and 50 MHz.

If anyone has info on what set it was used with, or indeed  
any spec sheet on the aerial, I would welcome a copy.

Thanks es 73. Ben G4BXD, Curator,

MILITARY WIRELESS IN THE MIDLANDS MUSEUM

-----  
Date: Tue, 2 Sep 1997 13:39:06 -0400  
From: BEN NOCK <G4BXD@compuserve.com>  
To: Multiple recipients of 1 <boatanchors@sco.theporch.com>  
Subject: RT-44 info wanted  
Message-ID: <199709021339\_MC2-1EDF-9EAF@compuserve.com>

I am looking for the handbook for the following:

RT-44/PPN-1A            and

PP-11A/PPN-1

I am also in need of the aerial mast and aerial  
connector as used with this set.

Any help much appreciated.

73, Ben G4BXD, Curator,  
MILITARY WIRELESS IN THE MIDLANDS MUSEUM

-----  
Date: Tue, 2 Sep 1997 13:39:02 -0400  
From: BEN NOCK <G4BXD@compuserve.com>  
To: Multiple recipients of 1 <boatanchors@sco.theporch.com>  
Subject: WS No 48 info wanted  
Message-ID: <199709021339\_MC2-1EDF-9EAC@compuserve.com>

I am looking for the circuit or handbook for the  
WS No 48, the US version of the 18 set.

If anyone can help with a copy I would be most  
grateful.

Thanks es 73, Ben G4BXD.

-----  
Date: Tue, 2 Sep 1997 10:59:42 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>  
To: Jerry Proc <jproc@bellglobal.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: 6146 Tube Substitution

Message-ID: <Pine.BSF.3.95.970902105439.14416H-100000@piobaire.mines.uidaho.edu>

> 2) The tube list calls out 6146's. Has anyone substituted 6146B's in  
> place  
> of 6146's? Any caveats to watch out for?

A pair of 6146s running 150 watts output will be a bit overloaded. 6146 plate dissipation is lower than that of an 807. 150 watts input for CW is more reasonable.

The 6146B has a higher plate dissipation than the straight 6146. Substitution should be NO problem as the other characteristics should be identical.

The 6146W or WA would be my choice although you MAY have to adjust screen or bias voltages a bit for these.

But, by all means, use as matched a pair as possible of whatever you choose.

Sounds to me as though your present tubes are a bit flat, or that the screen and/or bias voltages have drifted. Plate voltage might be a bit low too.

Ken W7EKB

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End of BOATANCHORS Digest 1650  
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